Amendments to the Specification

At p. 5 of the specification, please replace the first paragraph following the title "Best Mode for Carrying Out the Invention" with the following amended paragraph:

Definitions: The term "convolution" means the process that yields the output response of an input to a linear time-invariant system, and in the general discrete sense, an input $x(n)$ is convolved with a Linear Time Invariant (LTI) system $h(n)$ to yield an output $y(n)$ as

$$y(n) = \sum_{k=-\infty}^{k=\infty} x(k)h(n-k)$$

such as is described and defined in J.G. Proakis and D.G. Manolakis, Digital Signal Processing:Principles, Algorithms, and Applications, 3rd Ed., pp. 75-82, Prentice Hall: Upper Saddle River, NJ (1996). The term "deconvolution" as used herein means the process that given the output of a system determines an unknown input signal to the system. Given an output $y(n)$ that is the convolution of some input $x(n)$ to some LTI system $h(n)$, deconvolution is the inverse operation that takes $y(n)$ and produces $x(n)$. Deconvolution is a general term meaning that $x(n)$ is to be estimated from the observed $y(n)$. See Id. at p. 355. The term "scatterer" means something in the path of a transmitted waveform that causes a significant reflection (relative to the noise) back to the receiver of the sensor.